

ADIL QURESHI

AI Engineer | Generative AI & LLM Applications | Google Cloud Platform

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PROFESSIONAL SUMMARY

AI Engineer specializing in Generative AI, Large Language Models (LLMs), and Agentic AI systems built on Google Cloud Platform. Experienced designing and deploying production-grade, event-driven AI applications that integrate Gemini foundation models via Vertex AI, Document AI, and BigQuery to automate complex enterprise workflows. Proven track record building scalable REST APIs with FastAPI, orchestrating multi-agent reasoning pipelines, and provisioning cloud infrastructure as code with Terraform. Seeking to apply this foundation to high-impact AI Engineer / Generative AI Engineer roles at product-focused technology companies.

TECHNICAL SKILLS

Programming: Python, SQL, JavaScript, FastAPI

Generative AI & LLMs: Google Gemini, Vertex AI, AI Agents, Agentic AI, Prompt Engineering, Function Calling, Retrieval-Augmented Generation (RAG), LLM Application Development, Document AI, Structured Output Generation

Google Cloud Platform: BigQuery, Cloud Run, Cloud Shell Editor, Cloud Storage, Pub/Sub, Firestore, Vertex AI, Cloud Logging, Cloud Monitoring, Document AI

Infrastructure: Terraform, Git, GitHub, Docker, REST APIs

Databases: Firestore, BigQuery, MySQL, PostgreSQL, Redshift

EXPERIENCE

FN Mathologic Consulting Pvt. Ltd., Gurugram

Oct 2025 - Present

AI Engineer Intern

- Designed and deployed scalable, cloud-native AI systems on GCP, building end-to-end LLM pipelines that ingest, transform, and serve structured and unstructured data (images, documents, API/DB responses) for production use.
- Engineered agentic AI workflows integrating Gemini foundation models via Vertex AI for reasoning, classification, and recommendation generation, cutting manual review effort across downstream business processes.
- Built and deployed backend APIs and inference services using FastAPI and Streamlit on Cloud Run, implementing authentication, secrets management, retry logic, and rate limiting for reliable, production-grade integrations.
- Diagnosed and resolved production issues in encoding, validation, and configuration across live AI-serving pipelines, improving system stability and data integrity.

MAJOR PROJECT

PRReviewAgenticAI — Generative AI Procurement Review Platform

Client: Northwell Health, United States | Enterprise-grade Agentic AI system on Google Cloud & Gemini | Flagship Project

Developed an enterprise-grade Agentic AI platform for a United States-based healthcare client (Northwell Health) that automates procurement requisition review using Google Cloud and Gemini models. The system analyzes requisition data, attachments, supplier information, and business rules to generate intelligent, explainable recommendations for procurement teams — reducing manual review effort and accelerating decision cycles.

Responsibilities

- Built an end-to-end Agentic AI application with FastAPI REST APIs on GCP, integrating Gemini via Vertex AI for reasoning, classification, and recommendations.
- Applied prompt engineering for procurement classification and structured output generation; built Document AI pipelines to parse invoices and purchase requests.
- Designed business-rule validation and recommendation workflows with audit-friendly, confidence-scored AI outputs.
- Provisioned GCP infrastructure as code with Terraform (Cloud Run, Pub/Sub, Storage, Firestore) and implemented Firebase Authentication with Google Sign-In.

AI Agent Architecture & Backend

- Orchestrated multiple cooperating AI agents responsible for document analysis, procurement classification, category recommendation, attachment validation, business-rule evaluation, recommendation generation, confidence scoring, and

overall workflow orchestration.

- Built a modular FastAPI backend exposing async REST/JSON APIs with structured error handling, logging, and input validation for reliable production operation.

ACHIEVEMENTS

- Built an enterprise-scale Agentic AI procurement review platform integrating 8+ GCP services into a production-ready application.
- Automated procurement document analysis and recommendation generation, reducing manual review effort through AI-assisted workflows.
- Designed a scalable, event-driven cloud architecture with explainable AI recommendations backed by confidence scoring and reasoning.

CERTIFICATIONS

- Agentic AI — Google
- Data Science — IBM
- Envisioning Your Solution — IBM

EDUCATION

B.Tech, Artificial Intelligence & Machine Learning — TIT Bhopal	2021 - 2025
Senior Secondary (CBSE) — City Public School	2020 - 2021